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INDEX
TO THE
MATHEMATICAL GAZETTE

No. 115, JAN. 1915—No. 126, DECEMBER 1916.

COMPILED BY MRS. W. J. GREENSTREET.

1. Local Branches.
2. Articles, etc.
3. Mathematical Notes.
4. Reviews and Short Notices of Books.
5. Queries and Answers.
6. Correspondence.
7. Errata and Addenda.

EXPLANATORY REMARKS.

It is not possible to give in full the subjects under the thousand or so sub-divisions which appear in the *Index*; but for the sake of those who do not possess the *Index* we give general titles with the principal letters. This will amply suffice for the majority of our readers.

MATHEMATICAL ANALYSIS.

- A. Elementary Algebra; theory of algebraic and transcendental equations; Galois groups; rational fractions; interpolation.
- B. Determinants; linear substitutions; elimination; algebraical theory of forms; invariants and covariants; quaternions; functional determinants; differential forms; equipollences and complex quantities; universal algebra.
- C. Principles of the differential and integral calculus; analytical applications; quadratures; multiple integrals; functional determinants; differential forms; differential operators.

- D. General theory of functions and its application to algebraical and circular functions; infinite series and expansions, especially infinite products and continued fractions considered from the algebraical point of view; Bernoulli's numbers; spherical and analogous functions.
- E. Definite integrals, and Eulerian integrals in particular.
- F. Elliptic functions with their applications.
- G. Hyperelliptic, Abelian, and Fuchsian functions.
- H. Differential equations, and equations with partial differences; functional equations; equations with finite differences; recurrent series.
- I. Arithmetic and theory of numbers; indeterminate analysis; arithmetical theory of forms and of continued fractions; the division of the circle; complex, ideal, and transcendental numbers.
- J. Combinatory analysis; probabilities; calculus of variations; general theory of groups of transformations (omitting Galois groups (A), groups of linear substitutions (B), and groups of geometrical transformations (P); Cantor's theory of aggregates.
- K. Geometry and Trigonometry; projective and descriptive geometry; perspective.
- L. Conics, quadrics, etc., of the second degree.
- M. Algebraic and transcendental curves, surfaces, etc.
- N. Complexes and congruences; connexes; systems of curves, surfaces, etc.; enumerative geometry.
- O. Infinitesimal and kinematic geometry; geometrical applications of the differential and integral calculus to the theory of curves, surfaces, etc.; quadrature and rectification; curvature; asymptotes; geodesics, lines of curvature; areas and volumes; minima surfaces; orthogonal systems.
- P. Geometrical transformations; homography; homology and affinity; correlation and reciprocal polars; birational and other transformations.
- Q. Geometries; generalities on geometry of n dimensions; non-Euclidean geometry; analysis situs; the geometry of situation.

APPLIED MATHEMATICS.

- R. General Mechanics; kinematics; statics, comprising centres of gravity and moments of inertia; dynamics; mechanics of solids; friction; attraction of ellipsoids.
- S. Mechanics of fluids; hydrostatics; hydrodynamics; thermodynamics.
- T. Mathematical physics; elasticity; resistance of materials; capillarity; light; heat; electricity.
- U. Astronomy; celestial mechanics; geodesy.
- V. The philosophy and history of mathematics; teaching of mathematics; biographies of mathematicians.
- X. Processes of calculation; nomography; graphic calculation; planimeters; instruments of various kinds; games and recreations.

INDEX.

v

ARTICLES, Etc.

TYPE.	TITLE.	AUTHOR.	PAGE
A. 1. c.	Approximations to $\sqrt[n]{1+x}$, where n is an integer and $0 < x < 1$.	J. M. Child.	289
A. 3. g.	The Solution of Numerical Equations.	E. H. Neville.	151
C. 2.	A Progressive Income-Tax.	H. S. Carslaw.	253
H. 4. a.	So-called Cases of Failure in the Solution of Linear Differential Equations.	E. H. Neville.	258, 285
K. 1. 9.	The Dissection of Rectilineal Figures.	W. H. Macaulay.	72, 109
O ⁴ . 2. e.	An Elementary Method of finding Circles of Curvature at Points, multiple or other, of a Plane Curve, whose Equation is given in Rectangular Coordinates.	A. Lodge.	39
R. 8. e.	Motion on the Springs of a Carriage Body.	Sir G. Greenhill.	101
R. 9. d.	Mechanical Similitude.	Sir G. Greenhill.	229
V. a. 1916.	The Aims of Education. A Plea for Reform.	A. N. Whitehead.	191
V. 1. a. 3.	Accuracy in Arithmetic.	G. W. Palmer.	204
V. 1. a. 3.	Discussion on the Report on the Teaching of Arithmetic : Compound Quantities.	Sir G. Greenhill.	309
V. 1. a. 3.	Notes on the Teaching of Arithmetic.	Mrs. F. G. Shinn.	62
V. 1. a. 3.	Report on the Teaching of the Multiplication and Division of Decimals.		165
V. 1. a. 3.	The Report of the Committee on the Teaching of Arithmetic in Public Schools. Criticism of Report.	G. H. Bryan.	233, 251
V. 1. a. e. 6.	As to the Completeness of Mathematical Tables required in School and Examination Work.	A. Lodge.	209
V. 1. a. e : X. 2.	The Bordered Antilogarithm Table.	G. H. Bryan and T. G. Creak.	168
V. 1. a. e.	The Teaching of Indices and Logarithms.	W. J. Dobbs.	119
V. 1. a. 5.	Notes on the Board of Education Circular, No. 851. On the Teaching of Geometry.	Miss M. J. Parker.	66
V. 1. a. 7.	My Lecture Notes on Calculus.	Prof. G. H. Bryan.	19
V. 1. a. 7.	The Teaching of Modern Analysis in Secondary Schools.	W. P. Milne.	30
V. 1. a. 8.	Duration of Day.	A. H. Bell.	244
V. 2. a.	The Annual Meeting of the Association, Jan. 9th, 1915.		1
V. 2. a.	The Annual Meeting of the Association, Jan. 5th, 1916.		189
V. 2. a.	Report of the Council, 1914		1
V. 2. a.	Report of the Council, 1915.		189
V. 2. a.	Report of the General Teaching Committee.		3
V. 2. a.	Report of the "Other Secondary Schools" Special Committee.		4

TYPE.	TITLE.	AUTHOR.	PAGE
V. 2. a.	Report of the Girls' Schools Special Committee.		5
V. 2. a.	Report of the Public Schools Special Committee.		4
V. 2. a.	Geographical Distribution of Members.	H. D. Ellis.	41
V. 2. a. ; 6-10.	The Achievements of Great Britain in the Realm of Mathematics.	Prof. Gino Loria.	12
V. 2. b. ; X. 2.	The Discovery of Logarithms by Napier.	Prof. H. S. Carslaw.	76, 115
V. 3. a.	Pythagoras.	W. W. Rouse Ball.	5
V. 8.	A Study of the Life and Writings of Colin Maclaurin.	C. Tweedie.	133
V. 9.	<i>The Philosophical Magazine</i> and the History of Mathematics.	Gino Loria.	325
V. 10.	Augustus de Morgan.	W. W. Rouse Ball.	42
V. 10. ; S. 6.	Presidential Address, 1915: Mathematics in Artillery Science.	Sir G. Greenhill.	25
X. 1.	Laboratory Work in Connection with Mathematics.	R. C. Fawdry.	36

MATHEMATICAL NOTES.

TYPE.	No.	SUBJECT.	AUTHOR.	PAGE
A.	441	The symbol \asymp .	R. C. Archibald.	49
A. 1. a.	436	On the Sum of an A.P.	F. C. Boon.	45
A. 1. ; B. 1.	444	Condition that $ax^2 + \dots + 2fyz + \dots$ may break into Factors with Applications.	P. J. Heawood.	51
A. 2. b.	499	Solve the equation $1 + x^4 = 7(1 + x)^4$	H. Freeman.	336
C. 1. g.	451	Partial Fractions with Repeated Factors in Denominator.	G. H. Bryan.	157
C. 2. j. ; L. 9. c.	461	Approximate Formulae for the Perimeter of an Ellipse.	P. Coleman.	184
C. 2. a. j.	496	Squaring the Hyperbola.	G. Greenhill.	333
D. 2. d. ; V. a. c.	464	On the Successive Convergents to a Continued Fraction.	S. Brodetaky.	248
D. 6. b. ; V. a. d.	459	Method of Teaching Certain Limits.	J. P. Gabbatt.	181
D. 6. b. d.	483	Note on Napier's Logarithms.	D. M. Y. Sommerville.	300
D. 6. b.	442	Note on the Calculus for Non-Mathematicians.	C. H. Hardingham.	50
D. 6. c.	458	On Certain Coefficients connected with the Expansions of $(e^x - 1)^n$, $(xD)^n f(x)$, $\Pi(x + n)$.	G. Osborn.	179
D. d. c. d.	456	Investigation of a Simple Formula for Calculating the Successive "Numbers of Bernoulli."	A. Lodge.	178
E. 5. ; V. a. λ.	484	Further Remarks on the Integral $\int_0^\infty \frac{\sin x}{x} dx$.	G. H. Hardy.	301

INDEX.

vii

TYPE.	No.	SUBJECT.	AUTHOR.	PAGE
E. 5.	481	The Integrals $\int_0^{\frac{\pi}{2}} \frac{\sin^2 mx}{\sin^2 x} dx$, $\int_0^{\infty} \frac{\sin^2 x}{x^2} dx$, $\int_0^{\infty} \frac{\sin x}{x} dx$.	M. F. Egan.	229
H. 5. a.	482	Linear Differential Equations with Constant Coefficients.	H. Piaggio.	300
I. 5. a.	486	The Definition of a Complex Number.	G. W. Palmer.	305
I. 5. a.	439	The Definition of a Complex Number.	G. H. Hardy.	48
I. 24. a.	449	Note on an Approximate Value of π .	R. F. Davis.	87
J. 2. c.	438	The St. Petersburg Problem.	C. S. Jackson.	48
K ¹ . 1. c.	472	Pythagoras' Theorem.	W. J. Dobbs.	268
K ¹ . 2. a. b.	466, 476.	If ABC is a Triangle whose In- and Circum-circles are fixed, and if S is a Fixed Point on the latter, then the Pedal Line of S passes through a Fixed Point.	A. C. Dixon, G. Greenhill.	251, 297
K ¹ . 2. b.	468	Given the Base and the Vertical Angle, find the Locus of an Ex-centre	F. C. Boon.	263
K ¹ . 2. c.	446	Feuerbach's Theorem.	W. J. Dobbs.	85
K ¹ . 2. c.	452	$NP^2 = (\frac{1}{2}R - r)^2$	E. H. Smart.	173
K ¹ . 2. d.	437, 469, vol. vi. p. 253, No. 349.		H. P. Rouse, M. Ray.	49, 266
K ¹ . 6. a.	498	A Note on the Area of a Triangle in Plane Coordinate Geometry.	C. N. Schmall.	336
K ¹ . 6. a.; V. a. c.	460	A Note on the Teaching of Co- ordinate Geometry.	R. W. K. Edwards.	182
K ¹ . 6. a.	494	De plagis plani infiniti in quibus apparere potest linea tertii ordinis, tribus asymptotis realibus datis praecipuaque satellite.	R. W. K. Edwards.	330
K ¹ . 7. a.	440	Condition that Four Lines form an Harmonic Pencil.	R. F. Davis.	49
K ¹ . 8. a.	493	Ptolemy's Theorem.	P. J. Harding.	329
K ¹ . 16. g.	471	To find the Volume of a Sphere.	J. O. Edwards.	267
K ¹ . 20. e.	453	Geometrical Proofs of some Triangle Formulae.	E. M. Radford.	173
K ¹ . 21. b.	478	Vol. vii. p. 108, No. 393.	W. J. Dobbs.	298
L ¹ . i. a.	457	A Pair of Points as a Conic.	C. W. Adams.	179
L ¹ . i. c.	448	Note on Pascal's Theorem.	E. M. Langley.	87
L ¹ . 2. c.	443, 480	The Angle between the Lines in which a Plane cuts a Cone.	P. J. Heawood, E. J. Nanson.	51, 298
L ¹ . 3. d.	487	Parabolic Asymptotes.	G. H. Bryan.	305
L ¹ . 14. a.	462, 495	The Square of the Major- axis of an In-conic is equal to the Sum of the Squares of the Radii of the Director Circles of the In-conics whose Centres are the Foci of the Original Conic.	N. M. Gibbins, R. F. Davis.	221 332

TYPE.	No.	SUBJECT.	AUTHOR.	PAGE
P ¹ . 3. b. a.	455	Retro-Azimuthal Projections.	G. P. Blake.	176
R. 2. b.	470	Elementary Method of Investigating the Centroid of a Uniform Circular Arc.	D. M. Y. Sommerville.	266
R. 5. a.	477	Attraction by Spheroids.	C. T. Whitmell.	297
R. 8. d.	497	On the Compound Pendulum.	A. W. Lucy.	335
S. 1.	454	The Working Conditions of the Common Pump.	H. E. Schmitz.	174
V. 1. a. δ .	473	474, 490 Multiplication of Decimals.	Anon., J. M. Child.	295, 296, 312
V. 1. a. δ .	475, 488	The Use of Brackets in Arithmetic.	W. F. Sheppard, A. Lodge, C. S. Jackson.	296, 311
V. 1. a. δ , e.	463	On some Arithmetical Conventions.	C. S. Jackson, A. Lodge.	246
V. 1. a. λ .	465	A Simple Method of Applying the Equation $y = a_0 + a_1x + a_2x^2 + a_3x^3 + \dots$ etc., to Curves, with Applications.	A. Press.	248
V. 2.	489	On a Review.	P. E. B. Jourdain.	312
V. 10.	492	"Thanking you in Anticipation".....		312
V. 10.	479	From an Unpublished Review.	C. S. Jackson.	298
V. 10.	491	What every Mathematician needs.	P. E. B. Jourdain.	312
X. 4.	445	Two Problems on the Circle.	C. O. Tuckey.	84
X. 4. b. β .	485	The Graphical Solution of a Cubic Equation with Complex Roots.	E. R. Hamilton.	304
X. 7.	467	Geometrical Construction showing Remarkable Connection between the Centimetre and the Inch.	E. M. Langley.	262
X. 8.	447	Note on the Construction of String Models.	A. O. Allen.	86
X. 10.	450	A Mathematical Recreation.	W. W. Rouse Ball.	87

REVIEWS AND NOTICES.

AUTHOR.	BOOK.	REVIEWER.	PAGE
Abbott.	Exercises in Arithmetic and Mensuration.	J. M. Child.	97
Agromonoff.	A New Mathematical Journal.	C. S. Jackson.	337
Archibald.	Euclid's Book on Division of Figures, with a Restoration based on Woepcke's Text, and on the Practica Geometriae of Leonardo Pisano.	W. J. G.	322
Baker.	A Shilling Arithmetic.	J. M. Child.	129
Bateman.	The Mathematical Analysis of Electrical and Optical Wave-motion on the Basis of Maxwell's Equations.	E. T. Whittaker.	190
Blickfeldt.	v. Miller.		162
Borchardt.	Revision Papers in Algebra.	J. M. Child.	162
Borel.	Introduction géométrique à quelques Théories Physiques.	W. J. G.	57

INDEX.

ix

AUTHOR.	BOOK.	REVIEWER.	PAGE
Bourne.	v. Baker.		
Braude.	Les Coordonnées Intrinsèques.	W. J. G.	55
Breslich.	First Year Mathematics for Secondary Schools.	T. M. A. Cooper.	278
Brückner.	Ueber die gleichcheckig-gleichflächigen, discontinuierlichen und nicht-konvexen Polyeder.	E. M. Langley.	269
Burgess.	v. Whittaker.		
Byerly.	An Introduction to the Use of Generalised Coordinates in Mechanics and Physics.	A. Lodge.	317
Cajori.	Elementary Algebra. First Year's Course.	C. S. Jackson.	224
Carmichael.	Diophantine Analysis.	W. J. G.	323
Carse.	A Course in Fourier's Analysis and Periodogram Analysis for the Mathematical Laboratory.	J. B. Dule.	223
Carslaw.	Plane Trigonometry + Key.	W. J. G.	130
Carson.	Essays on Mathematical Education.	J. M. Child.	95
Carson and Smiles.	Plane Geometry. Part I.	J. M. Child.	96
Carson and Smiles.	Plane Geometry, Part II.	T. M. A. Cooper.	184
Carson and Smiles.	Elements of Algebra. Part II.	J. M. Child.	163
Cashmore.	Fermat's Theorem.	A. R.	317
Castle.	Workshop Arithmetic.	J. M. Child.	129
Chappell.	Chappell's Five-Figure Mathematical Tables.	S. T. Shovelton.	222
Chignell.	Numerical Trigonometry.	J. M. Child.	95
Clapham.	Arithmetic for Engineers.	J. M. Child.	320
Colman.	Coordinate Geometry, an Elementary Course.	J. M. Child.	94
Conway.	Relativity.	P. E. Jourdain.	308
Coolidge.	A Treatise on the Circle and Sphere.	H. P. Hudson.	338
Cremona.	Opere Matematiche di Luigi Cremona.	W. J. G.	59, 131
Cunningham.	The Principles of Relativity.	C. G. Knott.	186
Davison.	A First Course in Geometry.	T. M. A. Cooper.	279
Davison.	Subjects for Mathematical Essays.	W. J. G.	130
Delens.	Problèmes d'Arithmétique Amusante.	W. J. G.	55
De Morgan.	A Budget of Paradoxes.	C. S. Jackson.	275
Dickson.	v. Miller.		
Dickson.	Algebraic Invariants.	W. J. G.	55
Dickson.	Linear Algebras.	W. J. G.	55
Dunkel.	v. Goursat.		
Fawdry.	Statics.	T. M. A. Cooper.	226
Ferguson.	Percentage Trigonometry.	J. M. Child.	21
Fisher.	The Mathematical Theory of Probabilities and its Application to Frequency Curves and Statistical Methods.	W. J. G.	321
Ford.	An Introduction to the Theory of Automorphic Functions.	A. C. Dixon.	224
Ford.	v. Whittaker.		
Forsyth.	A Treatise on Differential Equations.	W. J. G.	54

AUTHOR	BOOK.	REVIEWER.	PAGE
Franklin.	A Method for calculating that Part of the Recoil Momentum of a Gun which is due to the Action of the Gas after the Projectile leaves the Muzzle.	<i>G. Greenhill.</i>	129
Franklin.	Bill's School and Mine.	<i>J. M. Child.</i>	97
Freeman.	Baume and Specific Gravity Tables.	<i>C. S. Jackson.</i>	54
F.R.S.	Calculus Made Easy.	<i>A. Lodge.</i>	91
Gibson.	A Senior Mental Arithmetic.	<i>J. M. Child.</i>	54
Gillespie.	Worked Exercises in Elementary Geometry.	<i>W. J. G.</i>	131
Godfrey and Price.	Arithmetic.	<i>J. M. Child.</i>	162
Goursat.	A Course in Mathematical Analysis : Functions of a Complex Variable.	<i>P. E. B. Jourdain.</i>	319
Greenhill.	Report on Gyroscopic Theory to the Aeronautical Committee.	<i>G.</i>	313
Hardy.	Pure Mathematics.	<i>W. J. G.</i>	60
Hardy and Riesz.	The General Theory of Dirichlet's Series.	<i>P. E. B. Jourdain.</i>	307
Hart.	Elementary Experimental Statics.	<i>J. M. Child.</i>	164
Hatton.	The Principles of Projective Geometry applied to the Straight Line and Conic.	<i>J. J. Milne.</i>	273
Hedrick.	v. Goursat.		
Hibbins.	Elementary Applied Mechanics.	<i>J. M. Child.</i>	54
Hill.	The Theory of Proportion.	<i>G. B. Mathews.</i>	87
Horsburgh.	Modern Instruments and Methods of Calculation.	<i>W. J. G.</i>	56
Ince.	v. Whittaker.		
Jackson.	A Twentieth Century Arithmetic.	<i>C. O. Tuckey.</i>	225
Jessop.	Quartic Surfaces with Singular Points.	<i>H. P. Hudson.</i>	337
Jones.	Numerical Examples in Physics	<i>J. M. Child.</i>	164
Jordan.	Cours d'Analyse de l'École Polytechnique, vol. iii.	<i>Hilda Hudson.</i>	160
Kennelly.	Chart Atlas of Complex Circular and Hyperbolic Functions.	<i>G. Greenhill.</i>	130
Klein.	Lectures on the Icosahedron.	<i>W. J. G.</i>	58
Landia.	v. Richardson.		
Leather.	v. Pendlebury.		
Leib.	Problems in the Calculus.	<i>W. J. G.</i>	339
Lister.	A First Book in Arithmetic.	<i>T. M. A. Cooper.</i>	227
Loria.	Le scienze esatte nell' antica Grecia.	<i>Sir T. L. Heath, K.C.B.</i>	157
Loria.	Guida Allo Studio della Storia delle Matematiche.	<i>W. J. G.</i>	339
Lucy.	Laboratory Mathematics.	<i>J. M. Child.</i>	164
Lynde.	Physics of the Household.	<i>A. F. H.</i>	127
MacMahon.	Combinatory Analysis.	<i>G. B. Mathews.</i>	125
Mann.	Practical Mathematics for Advanced Technical Students.	<i>J. M. Child.</i>	163
Manning.	Geometry of Four Dimensions.	<i>D. M. Y. Sommerville.</i>	91
Martin.	New Concrete Practical Arithmetical Tests.	<i>J. M. Child.</i>	21
Mathews.	Algebraic Equations.	<i>P. E. B. Jourdain.</i>	308

INDEX.

xi

PAGE	AUTHOR.	BOOK.	REVIEWER.	PAGE
129	Michaelis.	Dynamics of Surfaces.	<i>A. Ferguson.</i>	92
	Miller.	Historical Introduction to Mathematical Literature.	<i>P. E. B. Jourdain.</i>	318
	Miller, Blickfeldt and Dickson.	Theory and Applications of Finite Groups.	<i>H. Hilton.</i>	316
97				
54	Milne, A.	<i>v.</i> Whittaker; <i>Blades. v.</i> Whittaker.		
91	Milne, R. M.	Mathematical Papers for Admission into the Royal Military Academy and the Royal Military College for the Years 1905-1914.	<i>W. J. G.</i>	130
54				
131				
162	Minchin.	A Treatise on Statics, vol. ii.	<i>W. J. G.</i>	131
	M'Laren.	Improved Four-Figure Logarithm-Tables. Multiplication and Division made easy.	<i>W. J. G.</i>	131
319				
313	M'Leod.	Lessons in Geometry.	<i>T. M. A. Cooper.</i>	227
	Moritz.	Memorabilia Mathematica, or the Philomath's Quotation Book.	<i>W. J. G.</i>	57
60				
307	Norman.	Norman's Arithmetic for Schools.	<i>J. M. Child.</i>	128
	North.	<i>v.</i> Tracey.		
164	Nunn.	Exercises in Algebra (including Trigonometry).	<i>J. M. Child.</i>	127
273				
	Odell.	<i>v.</i> Cajori.		
	Paterson.	Elementary Geometry.	<i>T. M. A. Cooper.</i>	227
54	Pendlebury	New Concrete Arithmetic.	<i>J. M. Child.</i>	21
87	and Leather.			
56	Phillips.	Analytic Geometry.	<i>W. J. G.</i>	323
	Price.	Key to Godfrey and Siddons's Shorter Geometry.	<i>W. J. G.</i>	54
225	Price.	<i>v.</i> Godfrey.		
337	Reed.	Plane Trigonometry.	<i>J. M. Child.</i>	162
164	Reeve.	A Review of High School Mathematics.	<i>T. M. A. Cooper.</i>	227
160	Richardson.	Fundamental Conceptions of Modern Mathematics.	<i>P. E. B. Jourdain.</i>	276
130	Riesz.	<i>v.</i> Hardy.		
	Robb.	A Theory of Time and Space.	<i>C. G. Knott.</i>	186
58				
	Roberts.	<i>v.</i> Jackson.		
	Rogers.	<i>v.</i> Salmon.		
	Salmon.	Treatise on the Analytic Geometry of Three Dimensions, vol. ii.; revised by R. A. P. Rogers.	<i>M. Long.</i>	160
339				
227	Schorling.	<i>v.</i> Reeve.		
157	Serret.	Differentialgleichungen und Variationsrechnung.	<i>Hilda Hudson.</i>	126
339				
164	Shearer.	<i>v.</i> Carse.		
127	Silberstein.	The Theory of Relativity.	<i>C. G. Knott.</i>	186
125				
	Smith, D. E.	<i>v.</i> Wentworth.		
103		<i>v.</i> Carson.		
	Sommerville.	The Elements of Non-Euclidean Geometry.	<i>A. C. Dixon.</i>	20
91				
21	Stuckey.	Table of Compound Interest at $\frac{1}{2}$ per cent. and of Antilogarithms to 60 Figures to Base 1.00125.	<i>S. T. Shovelton.</i>	222
308				

AUTHOR.	BOOK.	REVIEWER.	PAGE
Taylor.	v. Paterson.		
Tracey and North.	Descriptive Geometry.	A. Dakin.	161
Villamil.	Motion of Liquids.	A. Ferguson.	92
Watson.	v. Whittaker.		
Wentworth.	Plane Trigonometry + Trigonometric and Logarithmic Tables.	J. M. Child.	93
Whipple.	v. Jackson.		
Whittaker and Watson.	A Course of Modern Analysis.	P. E. B. Jourdain.	306
Whittaker.	University of Edinburgh, Mathematical Department Research Papers 1-11. Session 1915.	P. E. B. Jourdain.	277

OBITUARIES.

X. 10. a.	Prof. F. R. Barrell, M.A.	214
	Prof. H. W. Ll. Tanner, F.R.S.	215
	Prof. W. H. H. Hudson.	245
	Harold Crabtree, M.A.	280

CORRESPONDENCE.

Pp. 53, 98, 132, 251, 281, 340.

ERRATA.

Pp. 324, 340.

THE PILLORY.

Pp. 53, 279.

MISCELLANEA.

	AUTHOR.	PAGE
London Branch.		42
The Work of a Local Branch.	W. H. H. Hudson.	215
Annuaire pour l'an 1915.		131
Annuaire pour l'an 1916.		279
Suggestions for Notation and Printing.	Council of L.M.S.; G. H. Bryan, A. Lodge.	
	172, 220, 248 (P.S.)	
The Happy Land.		99
The Mathematical Association of America.		228

61

92

93

306

277

214

215

245

280

PAGE

42

215

131

279

P.S.)

99

228